Discrete Applied Mathematics
Volume 143, Issues 1–3, 30 September 2004

Contents

Communications

M. Mahajan, P.R. Subramanya and V. Vinay
The combinatorial approach yields an NC algorithm for computing Pfaffians 1

S. Dantas, C.M.H. de Figueiredo, S. Klein, S. Gravier and B.A. Reed
Stable skew partition problem 17

Contributions

E. Alvoni
On *k* nearest points of a finite set in a normed linear space 23

B.Y. Wu
Approximation algorithms for the optimal *p*-source communication spanning tree 31

R. Julian, R. Abel, S. Costa and N.J. Finizio
Directed–ordered whist tournaments and (*v*,5,1) difference families: existence results and some new classes of *Z*-cyclic solutions 43

I. Caragiannis, A. Ferreira, C. Kaklamanis, S. Perennes, P. Persiano and H. Rivano
Approximate constrained bipartite edge coloring 54

A. Czygrinow, M. Hańćkowiak and E. Szymańska
Distributed algorithm for approximating the maximum matching 62

E.S. Egge and T. Mansour
132-avoiding two-stack sortable permutations, Fibonacci numbers, and Pell numbers 72

S. Fitzpatrick, J. Janssen and R. Nowakowski
Distributive online channel assignment for hexagonal cellular networks with constraints 84

G. Richomme and F. Wlazinski
Overlap-free morphisms and finite test-sets 92

N. Sandman
A type-B Tamari poset 110

CONTENTS direct

This journal is part of **ContentsDirect,** the ***free*** alerting service which sends table of contents by e-mail for Elsevier books and journals. You can register for **Contents Direct** online at: **http://contentsdirect.elsevier.com**

doi:10.1016/S0166-218X(04)00230-6

H. Schröder, O. Sýkora and I. Vrťo
Cyclic cutwidths of the two-dimensional ordinary and cylindrical meshes 123

L. Zhao, H. Nagamochi and T. Ibaraki
On generalized greedy splitting algorithms for multiway partition problems 130

M. Klazar
Extremal problems for ordered hypergraphs: small patterns and some enumeration 144

S. Dantas, C.M.H. de Figueiredo and L. Faria
On decision and optimization (*k,l*)-graph sandwich problems 155

A. Barbé, F. von Haeseler and G. Skordev
Scaling properties of generalized Carlitz sequences of polynomials 166

R. Chandrasekaran, K.P.K. Nair, Y.P. Aneja and S.N. Kabadi
Multi-terminal multipath flows: synthesis 182

K.T. Huber, V. Moulton and C. Semple
Replacing cliques by stars in quasi-median graphs 194

P. Dankelmann, O.R. Oellermann and J.-L. Wu
Minimum average distance of strong orientations of graphs 204

C. Padró, I. Gracia and S. Martín
Improving the trade-off between storage and communication in broadcast encryption schemes 213

M.C. Golumbic and M. Lipshteyn
Chordal probe graphs 221

L. Babel, B. Chen, H. Kellerer and V. Kotov
Algorithms for on-line bin-packing problems with cardinality constraints 238

J.-P. Hamiez and J.-K. Hao
A linear-time algorithm to solve the Sports League Scheduling Problem (prob026 of CSPLib) 252

A. Vietri
The complexity of arc-colorings for directed hypergraphs 266

D.E. Armstrong and S.H. Jacobson
Polynomial transformations and data-independent neighborhood functions 272

Notes

M.R. Salavatipour
A polynomial time algorithm for strong edge coloring of partial *k*-trees 285

M. Müller and M. Jimbo
Erasure-resilient codes from ane spaces 292

B. van Velzen, H. Hamers and H. Norde
Characterizing convexity of games using marginal vectors 298

R.B. Hayward and R. Shamir
A note on tolerance graph recognition 307

W. Kook
Recurrence relations for the spectrum polynomial of a matroid 312

S.K. Kim
Order-preserving, upward drawing of binary trees using fewer bends 318

M. Sonntag and H.-M. Teichert
Competition hypergraphs 324

J. Lee and Y.-h. Shin
The achromatic number of the union of cycles 330

D. Marx
Eulerian disjoint paths problem in grid graphs is **NP**-complete 336

B.Y. Wu
An improved algorithm for the k-source maximum eccentricity spanning trees 342

G.J. Chang
The weighted independent domination problem is NP-complete for chordal graphs 351

A. Dumitrescu
The cost of cutting out convex *n*-gons 353

N. Lichiardopol
Broadcast time and connectivity 359

W.-F. Wang
Vertex-pancyclicity of edge-face-total graphs 364

A.V. Karzanov
Hard cases of the multifacility location problem 368

V. Venkateswaran
Minimizing maximum indegree 374

Author Index to Volume 143 379